



Designation: C 1104/C 1104M – 9500

Standard Test Method for Determining the Water Vapor Sorption of Unfaced Mineral Fiber Insulation¹

This standard is issued under the fixed designation C 1104/C 1104M; the number immediately following the designation indicates the year of original adoption or, in the case of revision, the year of last revision. A number in parentheses indicates the year of last reapproval. A superscript epsilon (ε) indicates an editorial change since the last revision or reapproval.

1. Scope

1.1 This test method covers the determination of the amount of water vapor sorbed by mineral fiber insulation exposed to a high-humidity atmosphere. This test method is applicable only to fibrous base material and binder. The results obtained by this test method cannot be used in describing faced products, since the facing is not tested by using this test method.

1.2 The water vapor sorption characteristics of materials may be affected by conditions such as elevated temperatures or chemical exposures. Values obtained as a result of this test method may not adequately describe the water vapor sorption characteristics of materials subjected to these conditions.

1.3 The values stated in either SI units or inch-pound units are to be regarded separately as standard. Within the text, the inch-pound units are shown in parentheses. The values stated in each system are not exact equivalents, therefore, each system must be used independently of the other.

1.4 *This standard does not purport to address all of the safety concerns, if any, associated with its use. It is the responsibility of the user of this standard to establish appropriate safety and health practices and determine the applicability of regulatory limitations prior to use.*

2. Referenced Documents

2.1 *ASTM Standards:*

¹ This test method is under the jurisdiction of Committee C-16 on Thermal Insulation and is the direct responsibility of Subcommittee C16.33 on Thermal Insulation Finishes and Vapor Transmission.

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